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				Serial No.	09/487,841	
				Applicant	Roy A. Gravel et al.	
				Filing Date	January 19, 2000	
				Group	1633	
				IDS Filed	May 18, 2000	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)						
(37 CFR §1.98(b))						
U.S. PATENTS						
Examiner's Initials	Patent Number	Issue Date	Patentee	Class	Subclass	Filing Date (If Appropriate)
FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION						
Examiner's Initials	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation (Yes/No)
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PLACE OF PUBLICATION)						
SLC	Brasch et al.; "Neonatal Megaloblastic Anemia Associated with Reduced Cellular Uptake of Folate and Low Methyl-B12 Levels: A New Mutation," Aust. N. Z. J. Med. 18 Supp.434 (1988).					
	Frosst et al., "A Candidate genetic Risk Factor for Vascular Disease: a Common Mutation in Methylenetetrahydrofolate Reductase," Nat. Genet. 10:111-113 (1995).					
	Goyette et al., "Human methylenetetrahydrofolate reductase: isolation of cDNA, mapping and mutation identification" Nature Genetics 7:195-200 (1994).					
	Gulati et al., "Defects in Auxiliary Redox Proteins Lead to Functional Methionine Synthase Deficiency," J. Biol. Chem. 272:19171-19175 (1997).					
	Hudson et al., "An STS-Based Map of the Human Genome," Science 270:1945-1954 (1995).					
	Leclerc et al., "Molecular Cloning, Expression and Physical Mapping of the Human Methionine Synthase Reductase Gene," Gene 12140:1-14 (1999).					
✓	Leclerc et al., "Cloning and mapping of a cDNA for methionine synthase reductase, a flavoprotein defective in patients with homocystinuria" Proc. Natl. Acad. Sci. USA 95:3059-3064 (1998).					
	Rosenblatt et al., "Altered Vitamin B ₁₂ Metabolism in Fibroblasts from a Patient with Megaloblastic Anemia and Homocystinuria Due to a New Defect in Methionine Biosynthesis," J. Clin. Invest. 74:2149-2156 (1984).					
	Rosenblatt et al., "Prenatal Vitamin B ₁₂ Therapy of a Fetus with Methylcobalamin Deficiency (Cobalamin E Disease)," Lancet 1:1127-1129 (1985).					
SLC	Rozen, "Molecular Genetic Aspects of Hyperhomocysteinemia and its Relation to Folic Acid," Clin. Invest. Med. 19:171-178 (1996).					
EXAMINER	shin-lin chen		DATE CONSIDERED	2-23-01		
EXAMINER: Initial citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with the next communication to applicant.						



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<i>LMK</i>	Schuh et al., "Homocystinuria and Megaloblastic Anemia Responsive to Vitamin B ₁₂ Therapy," N. Engl. J. Med. 310:686-690 (1984).				
	Tauro et al., "Dihydrofolate Reductase Deficiency Causing Megaloblastic Anemia in two Families," N. Engl. J. Med., case one 294:466 (1976).				
	van der Put et al., "Mutated Methylenetetrahydrofolate Reductase as a Risk Factor for Spina Bifida," The Lancet 346:1070-1071 (1995).				
	Watkins et al., "Functional Methionine Synthase Deficiency (cblE and CblG): Clinical and Biochemical Heterogeneity," Am. J. Med. Genet. 34:427-434 (1989).				
<i>GM</i>	Wilson et al., "A Common Variant in Methionine Synthase Reductase Combined with Low Cobalamin (Vitamin B ₁₂) Increase Risk for Spina Bifida," Molecular Genetics and Metabolism 67:317-323 (1999).				
EXAMINER	<i>Shin-Lin Chen</i>		DATE CONSIDERED	<i>2-23-01</i>	
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